

ABSTRACT

Access to WebDAV (Distributed Authoring and Versioning)

servers is provided in a manner that is essentially
transparent to applications. A WebDAV redirector and related

- 5 components support file system I/O requests and network
requests directed to WebDAV servers identified by URI
(Universal Resource Identifier) names, or by a drive may be
mapped to a WebDAV share. An application's create or open I/O
requests directed to a WebDAV server are detected, and result
10 in a local copy of the file being downloaded and cached for
local access. When closed, the local file is uploaded to the
WebDAV server. Network-related requests such as for browsing
that are directed to a WebDAV server are also handled
transparently. WebDAV files may be locally encrypted and
15 decrypted at the file system level, transparent to
applications and the WebDAV server, via an encrypting file
system that performs local encryption and decryption at the
local file system level.